

Wednesday 24th August

09:00-09:10 **Opening Address/ Introduction of guests**
Demura, Taku (Professor)

On-line

09:10-09:50 **Oral Session 1** 15+5 min./person

Chair : **Maliwat, Gian Carlo**
Oda, Ayumi

On-line

O-01

Li, Ze

Transcriptome-wide identification of substrates of the Drosophila RNA export factor Exportin5

O-02

Janewanthanakul, Suphamon

Single-cell Transcriptomic Network unveils Macrophage Heterogeneity during Phagocytosis

09:50-10:00 Break

10:00-11:00 **Oral Session 2** 15+5 min./person

Chair : **Moo, Kar Yee**
Imabata, Yuki

On-line

O-03

Chen, Xing

Estimation of Shh-induced Gene Regulatory Network Based on Ridge Regression Model

O-04

Xiang, Lei

Identification of a Prehaustoria Suppressor in the Root Parasitic Plant *Phtheirospermum japonicum*

O-05

Fujiwara, Ryoga

Polyhydroxyalkanoate production by *Ideonella sakaiensis* using PET as a fermentation feedstock

11:00-11:10 Poster Preview Standby

11:10-12:00 **Poster Preview** 90 sec. each × 25 people

12:00-13:00 Lunch

13:00-14:30 **Poster Session**
(Presenter: P-01, P-04, P-10, P-13, P-16, P-22, P-23, P-26, P-29, P-32, P-35, P-38, P-41)

On-line(Breakout Sessions)

14:30-14:50 Break

14:50-15:50 **Oral Session 3** 15+5 min./person

Chair : **Kobayashi, Risa**
Soong, Jia Xin

On-line

- O-06 Katsuma, Asako
L1CAM contributes to glioma stem cells infiltration.
- O-07 Hu, Hooi Ting
The characterization and functional analysis of IRSp53-mediated secretion of the extracellular vesicles from tumor cells
- O-08 Ikeda, Hikari
Circadian clock and light control root hair elongation in *Arabidopsis thaliana*

15:50-16:00 Break

16:00-17:00 **Oral Session 4** 15+5 min./person

Chair : **Woo, Wai Kan**
Yun, Sungsik

On-line

- O-09 Lee, Shin Yong
The role of IRSp53 in Alzheimer's Disease
- O-10 Chong, Jia Fong
Characterization of a novel esterase that *Ideonella sakaiensis* localizes at the surface of polyethylene terephthalate (PET)
- O-11 Shioesada, Naova
Identification of the genes triggering retinal disease by a single-cell gene expression analysis

17:00-17:10 Break

17:10-18:10 **Oral Session 5** 15+5 min./person

Chair : **Abu Hasan, Norshima Binti**
Fujioka, Toshifumi

On-line

- O-12 Muttaqin, Mafrikhul
Feeding Behavior of Golden Apple Snail on Rice and Subsequent Rice Defense Responses
- O-13 Maliwat, Gian Carlo
PRR7 regulates plant blue photoreceptor, PHOT, signaling
- O-14 Fujiio, Hitomi
Genome-wide analysis of changes in mRNA stability induced by alternative polyadenylation in plant

Thursday 25th August

09:10-10:10 **Oral Session 6** 15+5 min./person

Chair : **Ong, Agnes Lee Chen**
Hirota, Ryosuke

On-line

O-15 Ikegawa, Moe
Analysis on the functional role of TXP in antigen cross-presentation

O-16 Fauzee, Yasmin
Ire1 mediates protein quality control systems of the endoplasmic reticulum and cytosol in methylotrophic yeast *Pichia pastoris*

O-17 Murayama, Takeru
Network Controllability of Intracellular Molecular Signaling Based on Optimal Control Theory

10:10-10:20 Break

10:20-11:20 **Oral Session 7** 15+5 min./person

Chair : **Hu, Hooi Ting**
Fujio, Hitomi

On-line

O-18 Ikei, Mai
Structural and functional analysis of a thiosulfate transporter complex

O-19 Sakamaki, Yusuke
Elucidation of cell-cell adhesion formation/maintenance mechanism by linking "dynamical" F-actin to E-cadherin via shootin1b and its role in epithelial tissues

O-20 Yagami, Kio
The actin waves control the cell polarity and migration

11:20-11:30 Break

11:30-12:30 **Oral Session 8** 15+5 min./person

Chair : **Janewanthanakul, Suphamon**
Xiang, Lei

On-line

O-21 Woo, Wai Kan
Investigation of in-vivo Role of CTP Synthase in Mice

O-22 Kobayashi, Risa
Homology-based regulation of pollen-side dominance hierarchy between small RNAs & their targets in Brassicaceae.

O-23 Moo, Kar Yee
Proteolysis of histone methyltransferases ATXR5 and ATXR6 controls cell cycle progression in *Arabidopsis*

12:30-13:30 Lunch

13:30-15:00 **Poster Session** On-line(Breakout Sessions)
(Presenter: P-02, P-05, P-11, P-14, P-17, P-24, P-27, P-30, P-33, P-36, P-39, P-42)

15:00-15:20 Break

15:20-16:40 **Oral Session 9** 15+5 min./person

Chair : **Lee, Shin Yong**
Aoki, Natsumi

On-line

O-24 Soong, Jia Xin
Identification of genes responsible for high-temperature growth in fission yeast

O-25 Yun, Sungsik
Dynamic expression of Argonaute during differentiation

O-26 Imabata, Yuki
Genetic screens to discover the gene network that controls cellular heat resistance in fission yeast

O-27 Doi, Takeya
Identification of functional isobutanol-tolerant mutant genes derived from mutator-based whole-genome mutagenesis in *Corynebacterium glutamicum*

16:40-16:50 Break

16:50-18:10 **Oral Session 10** 15+5 min./person

Chair : **Chong, Jia Fong**
Shigesada, Naoya

On-line

O-28 Ong, Agnes Lee Chen
An Essential Role of Polyhomeotic Homolog 1 (Phc1) in Early Neural Development

O-29 Oda, Ayumi
Functional analysis of the cell cycle regulators WEE1 and CDC25 in *Marchantia polymorpha*

O-30 Hosoya, Minori
Study on the role of ANAC044 and ANAC085 in DNA damage response

O-31 Abu Hasan, Norshima Binti
Biochemical and structural characterization of a newly identified α/β hydrolase fold enzyme from *Ideonella sakaiensis* involved in PET degradation

18:10-18:20 **Review**

On-line

Mizoguchi, Tsuyoshi(Dean, International Christian University)

Friday 26th August

09:00-10:20 **Oral Session 11** 15+5 min./person

Chair : **Fauzee, Yasmin**
Ikei, Mai

On-line

O-32

Aoki, Natsumi
The analysis of the signaling pathways for prehaustorium formation in *Striga hermonthica*

O-33

Fuiioka, Toshifumi
The role of the F-BAR protein CIP4 in the cell migration that is induced by the extracellular vesicles.

O-34

Ebina, Kodai
Study on the Effect of Unsaturated Fatty Acids on Epidermal Keratinocytes

O-35

Hirota, Ryosuke
Global prediction of regulators of miRNA processing using cancer cell line gene expression data.

10:20-10:40 Break

10:40-12:10 **Poster Session**
(Presenter: P-03, P-06, P-09, P-12, P-15, P-18, P-21, P-25, P-28, P-31, P-34, P-37, P-40, P-43)

On-line(Breakout Sessions)

12:10-12:20 Break

12:20-12:30 **Review**

On-line

Fiqri Dizar Khaidizar(Senior Lecturer, Centre for Research in Biotechnology for Agriculture, University Malaya)

12:30-12:40 **Awards Ceremony**

12:40-12:50 **Closing Remarks**
Umeda, Masaaki (Director)